

ABSTRACT

Systems and methods for inventorying a broadband access network multiplexing element switch fabric are disclosed. The methods include establishing communication with an element manager from a remote location, gathering status information for the multiplexing element by issuing a first interface retrieve command to the element manager from the remote location, and gathering status information for the switch fabric by issuing a second interface retrieve command to the multiplexing element from the remote location. The systems include an element manager, a first communications path between the element manager and a multiplexing element, the first communications path carrying information and control commands between the element manager and the multiplexing element, an inventory tool at a location remote from the element manager, the inventory tool generating inventory commands and compiling status information received in response to the inventory commands, and a second communications path between the inventory tool and the element manager, the second communications path carrying the inventory commands and status information between the inventory tool and the element manager.